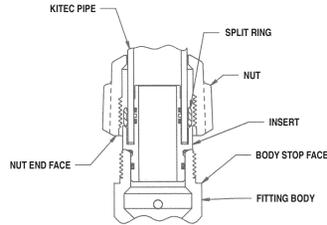




Replacement C903 Fitting Assembly



1. FITTING IS ONLY FOR USE WITH PIPE THAT MEETS THE REQUIREMENTS OF AWWA C903.

2. **The A.Y. McDonald C903 Fitting works only with A.Y. McDonald CTS McQuik bodies.** Using Kitec Fitting Assemblies on bodies not designed for McQuik **WILL** cause failure. If you have any questions as to whether the fitting body is designed for McQuik, contact A.Y. McDonald Mfg. Co.
3. Inspect pipe for defects. Do not use pipe with punctures or tears in the PE layers.
4. Make a square cut of the pipe using the recommended cutter. Make certain the stainless steel cutting blade is sharp and in good condition prior to cutting the tube.
5. Insert recommended rounding tool into pipe to restore the roundness of the pipe that is often lost when the pipe is cut.
6. Remove the nut and split ring from the fitting and push them onto the pipe.
7. Bevel the inside of the pipe by inserting a recommended reaming tool and rotating it 360° to engage the blades. This will allow the insert to slip more easily into the pipe without displacing or damaging the O-rings.
8. Prior to installation, inspect O-ring for cuts. Replace if necessary.
9. Make sure insert is fully inserted in the fitting body. Now push the insert completely into the pipe. If required, rotate the fitting to place it in the proper orientation at this time.
10. Bring the split ring and nut against the fitting and thread until the nut reaches the stop. The end face of the nut is to contact the stop face of the body.
11. If it is necessary to remove the fitting, release the nut, remove the split ring and pull the fitting off the pipe. Inspect the tubing to make certain the PE is not punctured. Before reassembling the joint, inspect the split ring for sharp edges and the O-rings for cuts. Replace if necessary.
12. Do not bend pipe to a radius tighter than 5 times its nominal diameter. If the bending radius is near 5 times the diameter of the pipe, a bending tool should be used.

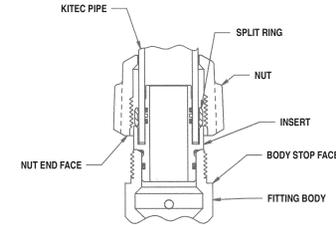
13. USE ONLY ON COLD WATER APPLICATIONS.

* NUTS WERE MARKED KITEC® UNTIL 9/04.

(OVER)



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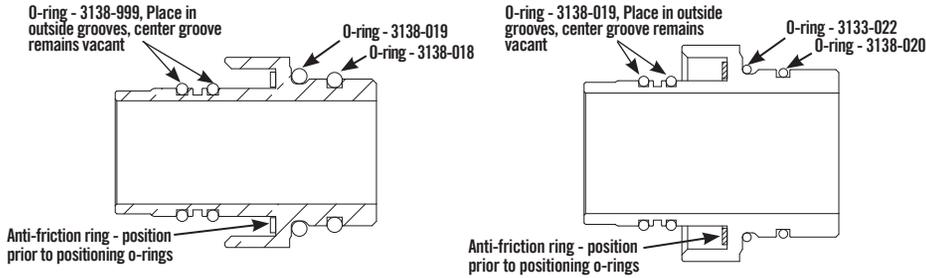
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Replace O-Rings - C903 Fittings

3/4" Fitting

1" Fitting



1. Remove desired old o-rings. Do **NOT** scratch surface of fitting.
2. Inspect o-ring and the sealing surface of fitting for scratches or nicks. Do **NOT** use o-ring or fitting if scratches or nicks are present.
3. Place o-rings & anti-friction ring on the fittings as indicated in the drawings above. Do **NOT** twist o-rings.
4. DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.

A.Y. McDonald waterworks products are designed for reliable service. Like all brass products, however, they can be damaged by improper handling and use.

CAUTIONS

1. Protect threads. Avoid loose fitting wrenches. Do not drop or impact.
2. Use extra care with high water pressures (over 100 PSIG) and pipe or tubing over 1". Consult factory if desired.
3. Inspect and test all joints, valves and fittings before backfilling.
4. Backfill carefully so as to avoid damage to the service line and connections. Looping of the service lines is recommended to minimize strain.
5. DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.

Damage caused by improper use and/or handling will void our warranty



WARNING: It is unlawful in CALIFORNIA & VERMONT (effective 1/1/2010); MARYLAND (effective 1/1/2012); LOUISIANA (effective 1/1/2013) and the UNITED STATES OF AMERICA (effective 1/4/2014) to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380.

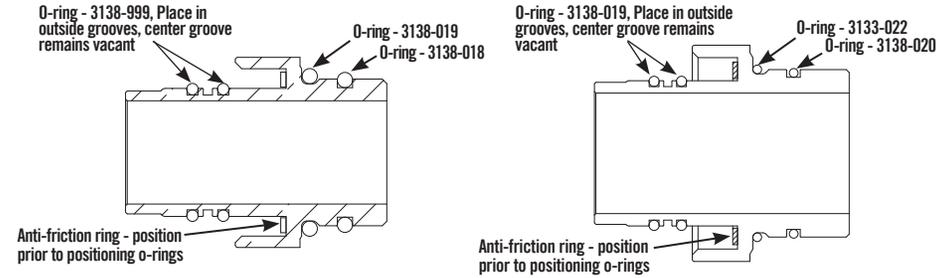
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(OVER)